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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,942	02/28/2002	Brad Leedy	1767 4000-07000	4378
28003	7590	05/02/2006	EXAMINER	
SPRINT			TSEGAYE, SABA	
6391 SPRINT PARKWAY			ART UNIT	
KSOPHT0101-Z2100			PAPER NUMBER	
OVERLAND PARK, KS 66251-2100			2616	

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/085,942

Applicant(s)

LEEDY, BRAD

Examiner

Saba Tsegaye

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 12-17 is/are rejected.
- 7) ☒ Claim(s) 11 and 18 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to the amendment filed 02/14/06. Claims 1-18 are pending. Currently no claims are in condition for allowance.

Claim Rejections - 35 USC § 103

2. Claims 1-10 and 12-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hanawa et al. (US 5,450,471) in view of Kiel (US 4,922,529).

Regarding claims 1 and 2, Hanawa discloses, in Figs. 1, 6, 7, 14, a method for notifying a user device (8, 13, 55) coupled to an integrated service hub (1; 11, 56) that communication has been terminated with a remote device (remote device (58, 59); column 16, line 66-column 17, line 4) comprising:

receiving a disconnect signal (S29) from the remote device (58, 59) into the integrated services hub (1, 11, 56). Further, Hanawa discloses that relaying a call termination notification (S30) signal to user device (8, 13) from the integrated services hub (1, 11, 56) via a user device interface (751) coupled to the user device (8, 13, 55) (column 17, lines 9-21). However, Hanawa does not disclose determining the user device is off-hook.

Kiel teaches an off-hook alert signal in the form of a distinct audio tone or a set of audio tones is transmitted to a telephone left off-hook for a period of time without any user activity (column 1, lines 45-49)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to add a system that determines that the user device is off-hook and provides a call

Art Unit: 2616

notification signals, such as that suggested by Kiel, to the system of Hanawa in order to provide an apparatus which can be actuated to restore incoming-call service to a telephone which has been inadvertently left off-hook.

Regarding claim 3, Hanawa discloses the method wherein the disconnect signal is received from the remote device by a network interface within the integrated services hub (see fig. 11, T/R 736).

Regarding claim 5, Hanawa discloses, in Fig. 11, the method wherein the network interface (736) sends the disconnect signal to CPU (731) within the integrated service hub (730).

Regarding claim 6, Hanawa discloses the method wherein the CPU determines the user device to which the disconnect signal pertains (column 10, lines 52-54; column 13, lines 64-67).

Regarding claim 7, Hanawa discloses the method wherein the call termination notification signal is sent from the CPU to the user device interface coupled to the user device (see fig. 11).

Regarding claims 8, 9, 13 and 17, Hanawa discloses the method wherein the user device interface is a SLIC (see fig. 12, MMI TASK 751).

Art Unit: 2616

Regarding claim 10, Hanawa discloses the method wherein the CPU places the SLIC in a standby state upon the user device entering an on-hook status (column 16, line 66-column 17, line 8; see fig. 14).

Regarding claims 12, 14 and 15, Hanawa discloses an apparatus (1, 11, 56) for notifying a user device (8, 13, 55) coupled thereto that communication has been terminated with a remote device (58, 59) comprising:

a network interface (see fig. 6, T/R 2) configured for receiving a disconnect signal from the remote device (58, 59) into the apparatus (1, 11, 56);

a user device interface (see fig. 12, 751) coupled to the user device (8, 13, 55) and a CPU (see fig. 11, 731) and configured for relaying a call termination notification signal from the CPU to the user device (see fig. 12, 757). However, Hanawa does not disclose determining the user device is off-hook.

Kiel teaches an off-hook alert signal in the form of a distinct audio tone or a set of audio tones is transmitted to a telephone left off-hook for a period of time without any user activity (column 1, lines 45-49)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to add a system that determines that the user device is off-hook and provides a call notification signals, such as that suggested by Kiel, to the system of Hanawa in order to provide an apparatus which can be actuated to restore incoming-call service to a telephone which has been inadvertently left off-hook.

Art Unit: 2616

Regarding claims 4 and 16, Hanawa discloses, in fig. 1, a public network is connected to a communication network 50 so that a data communication can be made between a personal computer 30 and a data center (column 10, lines 55-67).

Allowable Subject Matter

3. Claims 11 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

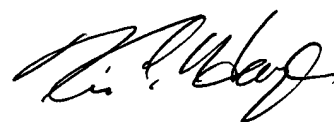
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saba Tsegaye whose telephone number is (571) 272-3091. The examiner can normally be reached on Monday-Friday (7:30-5:00), First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571) 272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ST
April 28, 2006

A handwritten signature in black ink, appearing to read 'Kevin C. Harper', is positioned above the printed name.

KEVIN C. HARPER
PATENT EXAMINER